

Chapter 5

Text Pages 130–137

STUDY GUIDE

● Maps

Use the words in the box to fill in the blanks.

models
legend
Mercator projection
flat

small areas
projection
globe
curved

distorted
Robinson projection
topographic
contour interval

larger
contour
scale
conic projection

Maps are _____ of Earth's surface. The best model, because of Earth's shape, would be a _____. A convenient paper model of Earth, however, would be a map projection. On a map _____, the points and lines of Earth's _____ surface are transferred onto a _____ piece of paper. A _____ shows all lines of latitude and all lines of longitude as parallel lines. This projection distorts areas near the poles, showing them _____ than they actually are. On a _____, lines of latitude are parallel and lines of longitude are curved. Landmasses near the poles are not _____ on this type of map projection. By projecting points and lines from a globe onto a cone, a _____ may be drawn. This projection is used to make accurate maps of _____.

A _____ map shows the changes in elevation of Earth's surface. This map shows _____ lines which connect points on Earth's surface of equal elevation. The lines are drawn at specific intervals. The distance between the contour lines is the _____. A map _____ gives the relationship between the distances on the map and the actual distances on Earth's surface. The map _____ explains what the symbols used on the topographic map mean.